Autodesk[®] **Revit 2022 Architecture Certification Exam Study Guide**

Certified User and Certified Professional





Better Textbooks. Lower Prices. www.SDCpublications.com



Visit the following websites to learn more about this book:





Googlebooks



Table of Contents

Introduction

FAQs on Getting Certified in Revit

Lesson (One
----------	-----

Creating and Modifying Components

Exercise 1-1: Create and Modify Grids	1-3
Exercise 1-2: Create and Modify Levels	1-10
Exercise 1-3: Story and Non-Story Levels	1-12
Exercise 1-4: Level and Grid Extents	1-16
Exercise 1-5: Wall Options	1-23
Exercise 1-6: Attaching Walls	1-27
Exercise 1-7: Compound Walls	1-29
Exercise 1-8: Stacked Walls	1-38
Exercise 1-9: Placing a Wall Sweep	1-40
Certified User Practice Exam	1-44
Certified Professional Practice Exam	1-46

Lesson Two Modifying Elements

Exercise 2-1: Creating a Roof by Footprint	2-4
Exercise 2-2: Creating a Roof by Extrusion	2-6
Exercise 2-3: Creating Stairs by Sketch	2-14
Exercise 2-4: Creating Stairs by Component	2-19
Exercise 2-5: Stair Landings	2-23
Exercise 2-6: Changing a Railing Profile	2-31
Exercise 2-7: Modifying a Floor Perimeter	2-40
Exercise 2-8: Modifying Floor Properties	2-43
Exercise 2-9: Placing Columns	2-45
Exercise 2-10: Place Slanted Columns	2-50
Exercise 2-11: Modify Elements Within a Curtain Wall	2-54
Certified User Practice Exam	2-61
Certified Professional Practice Exam	2-63

Lesson Three

Modeling	
Exercise 3-1: Create a New Family Type	3-3
Exercise 3-2: Identifying a Family	3-5
Exercise 3-3: Changing the Material of a Door	3-7
Exercise 3-4: Create a Mass Using Revolve	3-12
Exercise 3-5: Create a Mass Using Blend	3-18
Exercise 3-6: Create a Mass Using a Swept Blend	3-22
Exercise 3-7: Placing a Mass	3-27
Exercise 3-8: Placing Mass Floors	3-29
Exercise 3-9: Room Calculation Point	3-32
Exercise 3-10: Creating a Toposurface	3-36
Exercise 3-11: Create a Building Pad	3-38
Exercise 3-12: Toposurface Properties	3-45
Certified User Practice Exam	3-47
Certified Professional Practice Exam	3-48

Lesson Four

Managing Views

Exercise 4-1: Change the View Scale	4-3
Exercise 4-2: Change the Detail Level of a View	4-8
Exercise 4-3: Create a Section View	4-10
Exercise 4-4: Create an Elevation View	4-13
Exercise 4-5: Create a 3D View	4-16
Exercise 4-6: Render a View	4-21
Exercise 4-7: Create a Cropped View	4-24
Exercise 4-8: Change View Display	4-26
Exercise 4-9: Duplicating Views	4-30
Exercise 4-10: View Range	4-37
Exercise 4-11: Reveal Hidden Elements	4-39
Exercise 4-12: Create a View Template	4-42
Exercise 4-13: Apply a View Template to a Sheet	4-49
Exercise 4-14: Create a Scope Box	4-55
Exercise 4-15: Use a Scope Box to Crop Multiple Views	4-59
Exercise 4-16: Segmented Views	4-61
Exercise 4-17: Rotate a Cropped View	4-64
Exercise 4-18: Define Element Properties in a Schedule	4-68
Exercise 4-19: Create a Legend	4-71
Exercise 4-20: Revision Control	4-80
Exercise 4-21: Modify a Revision Schedule	4-84
Exercise 4-22: Update Project	4-88
Exercise 4-23: Add Revision Clouds	4-91
Exercise 4-24: Tag Revision Clouds	4-96
Exercise 4-25: Issue Revisions	4-98
Exercise 4-26: Sheet Lists	4-99

Exercise 4-27: Aligning Views Between Sheets	4-101
Certified User Practice Exam	4-106
Certified Professional Practice Exam	4-108

Lesson Five

Documentation

Exercise 5-1: Create Dimensions	5-3
Exercise 5-2: Modify Dimensions	5-8
Exercise 5-3: Converting Temporary Dimensions to Permanent Dimensions	5-11
Exercise 5-4: Multi-Segmented Dimensions	5-14
Exercise 5-5: Applying Constraints	5-18
Exercise 5-6: Reveal Constraints	5-23
Exercise 5-7: Global Parameters	5-27
Exercise 5-8: Shared Parameters	5-35
Exercise 5-9: Using Shared Parameters	5-39
Exercise 5-10: Project Parameters	5-46
Exercise 5-11: Design Options	5-51
Exercise 5-12: Design Options – Practice Question	5-67
Exercise 5-13: Phases	5-70
Exercise 5-14: Create and Modify Filled Regions	5-84
Exercise 5-15: Detail Components	5-89
Exercise 5-16: Tag elements by Category	5-97
Exercise 5-17: Color Schemes	5-99
Certified User Practice Exam	5-103
Certified Professional Practice Exam	5-105

Lesson Six

Collaboration

Exercise 6-1: Monitoring a Linked File	6-3
Exercise 6-2: Interference Checking	6-9
Exercise 6-3: Understanding Shared Coordinates	6-19
Exercise 6-4: Placing a Spot Coordinate	6-21
Exercise 6-5: Understanding Location	6-25
Exercise 6-6: Linking Files using Shared Coordinates	6-30
Exercise 6-7: Defining a Shared Site	6-32
Exercise 6-8: Using Project North	6-38
Exercise 6-9: Using True North vs Project North	6-45
Exercise 6-10: Import DWG	6-49
Exercise 6-11: Import PDF	6-52
Exercise 6-12: Import Image	6-54
Exercise 6-13: Review Warnings	6-56
Exercise 6-14: Worksets	6-69
Exercise 6-15: Worksets Display	6-76
Certified Professional Practice Exam	6-81

Lesson Seven Revit Utilities

Exercise 7-1: Audit a File	7-2
Exercise 7-2: Purge a File	7-4
Exercise 7-3: Export Sheets to DWG	7-10
Exercise 7-4: Transfer Project Standards	7-13
Exercise 7-5: Transmit a Model	7-17
Certified Professional Practice Exam	7-19